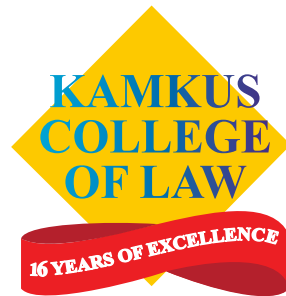


ENVIRONMENT AUDIT REPORT



KAMKUS COLLEGE OF LAW

JULY 2022

Audit Conducted by:



PROFESSIONAL QUALITY MANAGEMENT SERVICES

SCO-21, 4th Floor, Feroze Gandhi Market Rd, Ludhiana, Punjab-141001



ENVIRONMENT

AUDIT REPORT

JULY 2022



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1. ACKNOWLEDGEMENT

Professional Quality Management Services acknowledges the cooperation and support of the management and staff of **Kamkus College of Law**, the support and disposition of the teaching/Supporting Staff of the College has been invaluable to the success of this report. Professional Quality Management Services wishes to stress that in line with its policy, all information obtained in the course of this Audit exercise as well as those contained in this report will be accorded the strictest confidentiality.

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3. INTRODUCTION

Environment Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. Environment audit can be a useful tool for a college to determine how and where they are using the most energy or water or resources; the college can then consider how to implement changes and make savings. It can also be used to determine the type and volume of waste, which can be used for a recycling project or to improve waste minimization plan. It can create health consciousness and promote environmental awareness, values and ethics. It provides staff and students better understanding of green impact on campus. If self-enquiry is a natural and necessary outgrowth of a quality education, it could also be stated that institutional self-enquiry is a natural and necessary outgrowth of a quality educational institution. Thus, it is imperative that the college evaluate its own contributions toward a sustainable future. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent.

4. OVERVIEW OF INSTITUTE

The judiciary of a country reflects its strength and stability. The stronger the judiciary, the stronger a country becomes. Historically, India has had the privilege of a strong judiciary. In fact, law was the preferred profession amongst our freedom fighters. Today, the practice of law is back in vogue. With the economy in full stride, need for qualified law professionals is on rise. Especially in sunrise sectors of environmental law, legal aspect of global business management and partnership & business organization. Keeping in mind the growing demand for quality legal professionals in the country, Bhagirath Sewa Sansthan has set up Kamkus College of Law. The college is affiliated to Chaudhary Charan Singh University, Meerut and recognized by the Bar council of India.

The college has been envisioned to offer the following:

- To produce trained & qualified professionals for the corporate world as well as for the bar council.
- To offer on-the campus placement for the students.
- To focus on environmental law, legal aspect of global business management, partnership & business organization.

VISION

To build and sustain a unique law institute of international standards, capable of churning out a new breed of Lawyers and Scholars in Law kindled with fire and endowed with skill of Lawyering to serve the nation.

MISSION

To mould a new breed of globally competent and socially committed lawyers, capable of operating legal matters effectively, by imparting value-based Education.

GOALS

- 1) To create Law Graduates with necessary professional skills.
- 2) To develop a sense of social responsibility among the students.
- 3) To make the students better citizens.

5. OBJECTIVES

The Environment Audit of an institution is of paramount importance these days for self-assessment of the institution, reflecting the role of the institution in mitigating the present environmental problems. The college has been putting efforts to keep the environment clean since its inception. But the auditing of this non-scholastic effort of the college has not been documented. Therefore, the purpose of the present environment audit is to identify, quantify, describe and prioritize framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.

The main objectives of carrying out Environment Audit is to:

1. Document the quality drinking water
2. Document the quality of recycled waste water for gardening
3. Document the solid Waste disposal system of medical and non-medical waste
4. To document the ambient environmental condition of air, water and noise in the campus.
5. Benchmarking for environmental protection initiatives
6. Reduction in resource use of water, electricity etc.
7. Financial savings through a reduction in resource use as electricity, water, waste, fuel, etc.

6. AUDIT TEAM

Audit was conducted by the team:

Name	Position	Qualification
Deepak Bajpai	Lead Auditor	B. Tech (Mechanical Engineering) Bureau of Energy Efficiency Certified Energy Auditor, Chartered Engineer.
Rajat Katiyar	Auditor	B. Tech
Vikrant Pal	Auditor	B. Tech

7. EXECUTIVE SUMMARY

An environmental audit is a snapshot in time, in which one assesses campus performance in complying with applicable environmental laws and regulations. Though a helpful benchmark, the audit almost immediately becomes outdated unless there is some mechanism in place to continue the effort of monitoring environmental compliance.

This is an environmental audit of the institute for NAAC affiliation; QS Programme and doing their bid towards environmental protection and environmental awareness at the local and global front. The audit criterion is environmental cognizance, waste minimization and management, biodiversity conservation, water conservation, energy conservation, and environmental legislative compliance by the campus. A questionnaire is used during the audit. This audit report contains observations and recommendations for the improvement of environment consciousness.

8. AREA OF IMPROVEMENTS

Area of Improvements

- Water meters should be installed and maintain the inventory of water resources.
- Environmental drills for response against spillages and leakage of chemicals in the campus.
- The monthly inventory of e-waste is required to be maintained in formats on regular basis.
- Install STP & treated water use water for gardening.

9. ENVIRONMENTAL AUDIT- QUESTIONNAIRES

The areas of eco/environmental/green auditing to be followed/practiced by participating institutions:

- I. Waste Minimization and Recycling
- II. Greening
- III. Energy Conservation
- IV. Water Conservation
- V. Clean Air
- VI. Animal Welfare
- VII. Environmental Legislative
- VIII. General Practices

Does any Environmental Audit conduct earlier?

No, this is the first time a systematic way of monitoring their environmental eminence initiative taken by Kamkus College of Law for environment protection.

What is the total permanent population of the Institute?

Particulars	Total
Students	1766
Teachers	61
Non-Teaching Staff	10
Approximate Number of Visitors (Per day)	40

Which of the following are available in your institute?

Sr. No.	Location	Observation
1	Garden area	Available
2	Playground	Available
3	Kitchen	Available
4	Toilets	Available
5	Garbage Or Waste Store Yard	Not Available
6	Laboratory	Not Available
7	Canteen	Available
8	Hostel Facility	Not Available
9	Guest House	Available

Which of the following are available in your institute?

1	Municipal dump yard	No, not near the vicinity of the college
2	Garbage heap	No
3	Public convenience	Yes, public convenience is easily available
4	Sewer Line	Yes
5	Stagnant water	No
6	Open drainage	Yes, properly maintained and sanitized
7	Industry - (Mention the type)	College
8	Bus / Railway station	Nearby from campus
9	Market / Shopping complex / Public halls	Yes, nearby from campus
10	Sewage Treatment Plant	No

I – WASTE MINIMIZATION AND RECYCLING

1.	Does your institute generate any waste? If so, what are they?	Yes, Solid waste, Canteen waste, paper, plastic, Horticulture Waste etc.	
2.	What is the approximate amount of waste generated per day?	Wet Waste	Dry Waste
		300 KG	300 KG
3.	How is the waste generated in the institute managed? By 1 Composting 2 Recycling 3 Reusing 4 Others (specify)	Reuse of one side printed Paper for internal communication. Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste. Horticulture waste is also disposed of to a farm owned by Bhaghiratha Sewa Sansthan for generating vermicompost.	
4.	Do you use recycled paper in institute?	Yes	
5.	Do you use reused paper in institute?	Yes	
6.	How would you spread the message of recycling to others in the community? Have you taken any initiatives? If yes, please specify.	Done in locality for awareness of resource crunches	
7.	Can you achieve zero garbage in your institute? If yes, how?	Yes, Possible through waste management plan.	

II – GREENING THE CAMPUS

8.	Is there a garden in your institute?	Yes, Lawn area at ground: 3500 sq ft Green House Terrace: 3200 sq ft Open Terrace: 4500 sq ft	
9.	Do students spend time in the garden?	Yes, for about 2-4 Hours	
10.	Total number of Plants in Campus	Plant type	Approx. number
		Big Trees	9
		In Planters	1030
		Ornamental	728
11.	Suggest plants for your campus. (Trees, vegetables, herbs, etc.)	Ashoka, Ficus, Religeosa, Boganvella, Bottle palm and many more as per geographical regime.	
12.	Is the university campus have any Horticulture Department	Yes	
	Number of Staff working in Horticulture Department	2 Gardeners	
13.	Number of Tree Plantation Drives organized by college per annum.(If Any)	Yes, one Plantation Drives are Organized Annually. 15 trees and 40 shrubs planted in this financial year.	
14.	Number of Trees Planted in Last FY.	20	
	Survival Rate	95%	
15.	Plant Distribution Program for Students and Community	Yes, Saplings are distributed to Students and visitors at various Occasions. Besides this landscape of a farm owned by Bhaghiratha Sewa Sansthan in the city is developed by Institute.	
16	Plant Ownership Program	Various trees are planted and owned by faculty, staff, visitors and as well as by the students.	

III – ENERGY

17.	List ten ways that you use energy in your institute. (Electricity, LPG, firewood, others). Using this list, try to think of ways that you could use less energy every day.	Electricity, savings can be generated by the use of CFL/LED bulbs for illumination. PNG Connection
18.	Are there any energy saving methods employed in your institute? If yes, please specify. If no, suggest some	Yes, energy saving methods like switching off the electrical gadgets, when not in use. Use of Natural Lights and Natural ventilation is promoted. Messages are displayed at various locations to make people aware about Energy Savings. Renewable source of energy through solar plant is installed at Kamkus College of Law.
19.	How many CFL/LED bulbs has your institute installed?	100 % of Total Conventional bulbs are replaced by LED Lights.
20.	Are any alternative energy sources employed / installed in your institute? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.,) Specify.	Yes, a solar plant is installed in the campus of 33KW to provide an alternative source of energy in the campus.
21.	Do you run “switch off” drills at institute?	Yes
22.	Are your computers and other equipment’s put on power-saving mode?	Yes, In Practice
23.	Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby modes most of the time? If yes, how many hours?	Yes, All machinery are working only when required. Printer/ fax are switched on during the usages only.

IV – WATER CONSERVATION

24.	List four uses of water in your institute	Basic use of water in campus: 1. Drinking 2. Gardening 3. Kitchen and Toilets
25.	How Does your institute store water? Are there any water saving techniques followed in your institute?	Water Tanks are installed for storage of water. 8 no. of tanks are installed in the campus of 1000lts. capacity each, making a total storage of 8000lts. To avoid overflow of water-controlled valves are provided in water supply system. Close supervision for water supply system.
26.	If there is water wastage, specify why and How can the wastage be prevented / stopped?	There is some amount of water wastage in gardening that is managed through water management system. A filter media is installed in which all the excess water from gardening is drained to rainwater harvesting pit for groundwater recharge.
27.	Locate the point of entry of water and point of exit of waste water in your institute. Entry- Exit-	Entry- Water comes from Borewell Water Supply at campus Exit- From Water Drainage System to Authority drain
28.	Write down four ways that could reduce the amount of water used in your institute	Basic Four ways: 1. Dripping of water from taps is closely monitored. 2. Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage 3. Water Conservation awareness for new students 4. Reuse of waste water
29.	Record water use from the institute water meter for six months (record at the same time of each day). At the end of the period, compile a table to show how many litres of water have been used.	Water Meters are not available for calculation of usage of total quantity only.
30.	Does your institute harvest rain water?	Yes
31.	Is there any water recycling System.	Upgradation work is in progress

V – CLEAN AIR

32.	Are the Rooms in Campus are well ventilated?	Yes				
33.	Window Floor ratio of the Rooms	Very Good				
34.	What is the ownership of the vehicles used by your institute? (Please Tick only one)	x	Yes			
		x	Operator-owned vehicles			
		Yes	Institute-owned vehicles			
			A combination of campus-owned and operator-owned vehicles			
35.	Provide details of institute-owned motorised vehicles?	Buses	Cars	Vans	Other	Total
	No. of vehicles	6	5	4	3	18
	No. of Non-Air-conditioned vehicles	6	0	4	3	13
	No. of Air-conditioned vehicles	0	5	0	0	5
	PUC done	Yes	Yes	Yes	Yes	Yes
36.	Specify the type of fuel used by your institute's vehicles:	Buses	Cars	Vans	Other	
	Diesel	0	3	4	2	
	Petrol	0	2	0	0	
	CNG	6	0	0	1	
	LPG	0	0	0	0	
	Electrical/Battery	0	0	0	0	
37.	Air Quality Monitoring Program (If Any)	Yes, Monitoring is being done by approved Laboratory				
38.	Students suffer from respiratory ailments? (If Any)	There has been no reported case of respiratory ailments due to environment pollution.				
39.	Details of Genset	Silent DG Set of 63 KVA installed for backup power				

VI – ANIMAL WELFARE

40	List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)	Birds and Squirrels are commonly found in campus. A variety of birds species and other flora and fauna are available but these are not harmful to humans so institute doing their bit for its conservation.
41.	How many dogs in your area have undergone animal birth control - Anti Rabies (ABC - AR)?	Not required
42.	Does your institute have a Biodiversity Programme or a KARUNA CLUB?	Not Available

VII– ENVIRONMENTAL LEGISLATIVE COMPLIANCE

43.	Are you aware of any environmental Laws? Pertaining to different aspects of environmental management?	Yes
44.	Does your institute have any rules to protect the environment? List possible rules you could include.	Yes (Plantation, Restrictions of vehicles, garbage disposal, etc.)
45.	Does Environmental Ambient Air Quality Monitoring conducted by the Institute?	No
46.	Does stack monitoring of DG sets conducted by the Institute?	Yes, conducted
47.	Is any warning notice, letter issued by state government bodies?	No
48.	Does any Hazardous waste generated by the Institute? If yes explain its category and disposal method	No
49.	Does any Biomedical waste generated by the Institute? If yes explain its category and disposal method	No

VIII – GENERAL

50.	Does housekeeping schedule on your campus?	Yes, the Swach Bharat movement
51.	Are students and faculties aware of environmental cleanliness ways? If Yes Explain	Yes, periodically pollution reduction, plantation, energy conservation awareness campaigns carried out by the institute
52.	Do Important Days Like World Environment Day, Earth Day, and Ozone Day etc. eminent in Campus?	Yes
53.	Does Institute participate in National and Local Environmental Protection Movement?	Yes, Swatch Campus Abhiyaan by students at Campus.
54.	Does Institute have any Recognition/certification for the environment's Friendliness?	Yes
55.	Does Institute use renewable energy?	Yes
56.	Does Institution conduct a Green/environmental audit of its campus?	This is the first environmental audit done by the institution
57.	Has the institution been audited/accredited by any other agency such as NABL, NABET, TQPM, NAAC etc.?	Yes

10. BEST PRACTICES/INITIATIVES FOR ENVIRONMENT

A	Renewable Energy Yes, renewable energy is used by Kamkus College of Law.	The solar system of 33KW is available in Kamkus College of Law.
B	Biodiversity Conservation Flora and fauna conservation	It is in the schedule plan of Campus Environment committee
C	Tree Plantation Drives Two Drives Annually, as well as Every Guest, is honored by Tree Plantation at Campus.	Yes
D	Ground Water Recharge 01 units of Rain Water Harvesting System.	Yes
E	Pollution Reduction Personal Vehicles users used the carpool.	Reduction in Air Pollution through vehicular Emission.
F	E-Waste Management	No
G	Solid Waste Management Lifting of garbage from Kamkus College of Law campus on an alternate day for landfill.	Yes
H	Adoption of Village School	Yes, 1 old age home adopted
I	Water Conservation	Yes
J	Corporate Resource Center (CRC)	Resource Center (CRC) is dedicated to nurturing future leaders
K	Mitigation measures for Air pollution at construction stage and operation stage by developing adequate green belt.	Yes
L	Mitigation measures for noise pollution by isolation of noise generation activities	Yes
M	Disaster management plan	Yes
N	Fire protection system	Yes
O	Environment/Green committee	For regulating eco-friendly initiatives at campus premises.

11. RECOMMENDATIONS

- E-waste monthly inventory be maintained at campus as per E waste rules 2016.
- Water Meter should be installed at institute for monitoring of water consumption per capita.
- Environmental Monitoring i.e. (Ambient Air Quality monitoring, Stack Monitoring of DG sets, Water and wastewater monitoring need to be conducted by Uttar Pradesh State Pollution Control Board, approved laboratory with frequency of six month.
- Environment/Green committee formation for regulating eco-friendly initiatives at campus premises and periphery as already Unnat Bharat Abhiyan and NSS team exist.

12. CONCLUSION

This audit involved extensive consultation with all the campus team, interactions with key personnel on wide range of issues related to Environmental aspects. The Kamkus College of Law has Environmental Committee for sustainable use of resources. The audit has identified several observations for making the campus premise more environmental friendly. The recommendations are also mentioned with observations for college campus team to initiate actions.

The audit team opines that the overall site is maintained well from environmental perspective. There is no major observations but few things are important to initiate urgently are water balance cycle and periodic inspection of buildings and initiation of composting at campus.

13. REFERENCE

- The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 – The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle
- Rules: 1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control Of Pollution] Act – 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975
- The Water [Prevention & Control Of Pollution] Cess Act-1977 (Amended 2003) and Rules- 1978
- The Air [Prevention & Control Of Pollution] Act – 1981 (Amended 1987) The Air (Prevention & Control of Pollution) Rules – 1982
- The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules – 1981)
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices

14. CSR Picture of Kamkus College of Law

कैमकुस कॉलेज ऑफ लॉ में 'पर्यावरण संरक्षण' पर कार्यक्रम



खेलकाम इंडिया

गाजियाबाद। विश्व पर्यावरण दिवस के अवसर पर कैमकुस कॉलेज ऑफ लॉ ने पर्यावरण संरक्षण सप्ताह संचालित किया। दिनांक 07.06.2022 दिन मंगलवार को

कैमकुस कॉलेज ऑफ लॉ की पुस्तकालय में सांस्कृतिक कार्यक्रम का आयोजन किया गया। इस कार्यक्रम में कई छात्र एवं छात्राओं ने भाग लिया। कार्यक्रम में सभी प्रतिभागियों ने रेखा चित्र, सफ़ाई नाटकों तथा भाषण के द्वारा पर्यावरण

संरक्षण के महत्व को बताना तथा सभी को जागरूक किया। छात्र छात्राओं का मनोबल बढ़ाने के लिये कैमकुस कॉलेज ऑफ लॉ के चेयरमैन श्री करणकाश शुक्ला एवं कॉलेज के प्राचार्य श्री संजीव कुमार त्यागी भी उपस्थित रहे। कार्यक्रम की संयोजिका

मेधा जुनेजा एवं नीलम शिवाड़ी रही। अंत में कॉलेज के प्राचार्य श्री संजीव कुमार त्यागी ने अपने वाणी के द्वारा सभी को प्रेरित किया। उन्होंने स्टोकाहोम, संयोजी एवं पर्यावरण कानून के बारे में बताया तथा कई महत्वपूर्ण निर्णय पर भी बात की।



कैमकुस कॉलेज ऑफ लॉ में आयोजित हुआ पर्यावरण संरक्षण कार्यक्रम



खबर टाइम

गाजियाबाद। विश्व पर्यावरण दिवस के अवसर पर कैमकुस कॉलेज ऑफ लॉ में पर्यावरण संरक्षण सप्ताह संचालित किया गया। इस सप्ताह पर कॉलेज के प्राचार्य श्री संजीव कुमार त्यागी ने अपने वाणी के द्वारा सभी को प्रेरित किया। उन्होंने स्टोकाहोम, संयोजी एवं पर्यावरण कानून के बारे में बताया तथा कई महत्वपूर्ण निर्णय पर भी बात की।

इस कार्यक्रम में कई छात्र एवं छात्राओं ने भाग लिया। कार्यक्रम में सभी प्रतिभागियों ने रेखाचित्र, सफ़ाई नाटक एवं भाषण द्वारा पर्यावरण संरक्षण के महत्व को बताना। छात्र छात्राओं का मनोबल बढ़ाने के लिए स्टोकाहोम, संयोजी एवं पर्यावरण कानून के बारे में बताया तथा कई महत्वपूर्ण निर्णय पर भी बात की।

त्यागी भी उपस्थित रहे। कार्यक्रम की संयोजिका मेधा जुनेजा एवं नीलम शिवाड़ी रही। अंत में कॉलेज के प्राचार्य श्री संजीव कुमार त्यागी ने अपने वाणी के द्वारा सभी को प्रेरित किया। उन्होंने स्टोकाहोम, संयोजी एवं पर्यावरण कानून के बारे में बताया तथा कई महत्वपूर्ण निर्णय पर भी बात की।





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